

ELECTRICAL PERMIT INFORMATION

National Electrical Code, 2005 Edition

National Fire Protection Association, 2005 Edition

- A. Any person who engages in electrical work in the City of Huntsville is required to be licensed by the State of Texas and be registered annually with the City of Huntsville and obtain an electrical permit. Only a Master Electrician who is employed by an Electrical Contractor licensed by the State of Texas or who is also licensed by the State of Texas as an Electrical Contractor may obtain a permit. Permits may be issued to a master electrician's designee, provided the Master Electrician submits authorization on contractor registration form.
- B. A Master Electrician desiring to obtain permits must be registered annually with the City of Huntsville and provide the following information: Valid photo identification, current State of Texas (TDLR) issued Electrician License, current State of Texas (TDLR) issued State Contractors License, certificate of Liability Insurance with a minimum of \$300,000 and pay a registration fee.
- C. The City of Huntsville has adopted the 2005 National Electrical Code along with City amendments. A copy is available for review between 8:00 a.m. and 5:00 p.m., Monday through Friday at the permit office.
- D. Permit fees – see Schedule of Fees and Charges
- E. Permits may be obtained in person between the hours of 8:00 a.m. and 4:30 p.m. Registered contractors can obtain permits by faxing the trade permit application to 936-294-5701 or by telephone request to 936-294-5717. Payment by credit card is required if permitting by phone or fax.
- F. Electricity providers for Huntsville are Entergy and Mid South Synergy. You may visit their websites at www.entergy.com or www.midsouthsynergy.com. Contact Entergy by phone at (800) 368-3749, (800) ENTERGY or Mid South Synergy by phone at (888)525-6677.

Note: Specific technical questions in regard to any project shall be addressed to the Chief Building Official at (936)294-5772 or email to mroempke@huntsvilletx.gov.

CITY OF HUNTSVILLE TRADE PERMIT APPLICATION

Date : _____

Company Name: _____ Applicant Name: _____

PROJECT INFORMATION

Proposed Use: _____ Residential: _____ Commercial: _____

Has a building Permit been issued? No _____ Yes _____ Permit # _____

Project Address: _____

Owner's Name: _____

Description of work: _____

(Check If Applicable)

New Building Construction _____ Repairs only: _____

Addition to an Existing Building _____ Interior Remodel of an Existing Building _____

Change of Occupancy to an Existing Building _____ Other: _____

TYPE OF PERMIT REQUIRED

ELECTRICAL	PLUMBING	MECHANICAL	MECHANICAL	PLUMBING
Rough In: _____ # of circuits _____ Final Inspection Service Equipment: _____ Amps How Many? _____ Motor Generation: _____ HP How Many? _____ Miscellaneous: _____ Electric Range _____ T-Pole _____ Repairs and Alterations _____ Electric Dryer _____ Air Conditioner _____ Mobile Home Connection _____ A/C Disconnect Sign: _____ # of circuits for signs/outdoor lighting Not included in above circuits	_____ # Heads	_____ # Heads _____ Backflow Devices	_____ Valuation of project	_____ # of Bathtubs/Shower _____ Clothes Washer _____ Dishwashing Machine _____ Drinking Fountain _____ Floor Sink or Drain _____ # of Gas Outlets _____ Gas Test Only _____ Grease Trap _____ Kitchen Sink/Disposal _____ Lavatory (Wash Basin) _____ Mobile Home No Gas _____ Mobile Home with Gas _____ Sewer _____ Slop Sink _____ Urinal _____ # Vacuum Breaker/Backflow Device _____ Water Closet (Toilets) _____ Water Heater _____ Water Piping/Repairs

X

Signature of Contractor or Authorized Agent

City of Huntsville**Schedule of Fees and Charges**

Fiscal Year 2009-2010

Electrical Permits**Ordinance**

Fee for issuing each permit	\$10
Roughing In work	
Minimum Fee	\$10
First Four Circuits	\$8
All Above Four Circuits	\$1 each
Final Inspection	\$10

Replacement of Service Entrance Equipment

60 amp or less, includes meter loop	\$6
61 to 100 amp, includes meter loop	\$8
101 to 200 amp, includes meter loop	\$10
201 to 400 amp, includes meter loop	\$12
401 to 600 amp, includes meter loop	\$14
Over 600 amp, includes meter loop	\$20

Motor Generation

First 2 motors below 1 HP each	\$3
Additional motors below 1 HP	\$1 each
First 2 motors 1 to 5 HP each	\$6
Additional motors 1 to 5 HP	\$3 each
First 2 motors 6 to 10 HP each	\$8
Additional motors 6 to 10 HP	\$4 each
First 2 motors 11 to 24 HP each	\$10
Additional motors 11 to 24 HP	\$5 each
First 2 motors over 25 HP each	\$14
Additional motors over 25 HP	\$7 each

Miscellaneous Fees

Electric Welders	\$5
Electric Range	\$5 each
Motion Picture Projector	\$5 each
Circuit for Sign and Outline Lighting	\$5 each
Temporary Service	\$10
Minimum Fee for Repairs and Alteration	\$6
Additional Motor	\$4 each
Electric Dryer or Air Conditioner	\$5 each
Mobile Home Connection	\$5

Contractor Registration Fees**Ordinance**

Builder Residential	\$60
Master Electrician	\$60
Residential Wireman Electrician	\$10
Journeyman Electrician	\$12
Electrical Sign Manufacturer	\$48
Sign Contractor	\$50
HVAC	\$60
Irrigator	\$60
Electrical Contactor	No Charge
Master Plumber	\$80
Journeyman Plumber	\$12

**State
State**

Sec. 12-125. Installation standards.

(a) In every case where no specific type or class of material, or no specific standard of construction is prescribed by the statutes of the state, installation shall be made in conformity to the standards provided by the National Electrical Code, 2005 Edition, a copy of which is authenticated by the signatures of the mayor and the city secretary, and is on file in the city secretary's office.

(b) All electrical equipment installed or used shall be in conformity with the provisions of this article, the statutes of the state and any order, rules and regulations issued by authority thereof, and with approved electrical standards for safety to persons and property. Unless by this article, by a statute of the state, or by any orders, rules or regulations issued by authority thereof, a specific type or class of electrical equipment is disapproved for installation and use, conformity with the standards of Underwriters' Laboratories, Inc., as approved by the American National Standards Institute, and the electrical provisions of other standards approved by the American National Standards Institute shall be prima facie evidence of conformity with approved standards for safety to persons and property; provided, however, that provisions of this section shall not apply to equipment owned and used by an electrical supply or communication agency in the generation, transmission, or distribution of electricity or for the operation of signals or the transmission of intelligence.

(c) No electrical apparatus, fitting or material shall be used or placed on sale unless such apparatus, fittings or material is approved by the city building official as complying with the safety requirements of this code; provided, however, that all such apparatus, fittings or material which bears the label of Underwriters' Laboratory, Inc., shall be deemed prima facie evidence to satisfy the requirements of this code, and the city building inspector is authorized to approve such apparatus, fittings and material without requiring further tests thereof to be made.

(d) Approved wiring methods shall be as follows:

(1) An approved direct burial cable may be used, when installed in accordance with the National Electrical Code and the Fire Code, for the distribution of electricity in total underground areas or in areas where only services are underground.

(2) Electrical metallic tubing (EMT). Installations in dry walls, attics, outside with watertight fittings and strapped every five feet. Fibre bushings shall be used on all connections 1 1/4 through two inches. Under no conditions shall EMT be installed in concrete or underground.

(3) Flexible metal conduit.

a. Minimum size one-half-inch flexible metal conduit may be used in the following instances:

1. On all adjustable motors, equipment, light fixtures when accessible;
2. Three-eighths-inch premanufactured (fixture whips) with a ground may be used for lighting fixtures within an accessible location;
3. Sealtite with Sealtite fittings must be used in damp or grease-laden locations;
4. In locations impractical or impossible for the use of solid conduit and approved by the building official.

b. No connections shall be more than seven feet and not less than 18 inches and all flexible conduit must be made with a grounding conductor.

(4) Surface metal raceways.

- (5) Underfloor raceways.
- (6) Cellular metal floor raceways.
- (7) Wireways and buss duct.
- (8) Nonmetallic sheathed cable, exception--See subsection (g) of this section.

(e) Unapproved wiring methods: Under no conditions shall BX or BXL be used for any type installation.

(f) The term "fire limits," as referred to in the provisions of this article relating to electrical work within the fire limits of the city, shall be taken to mean and include the district contained within the fire limits as they exist at the time of the installation or performance of such electrical work.

(g) No conductor smaller than #12 AWG shall be permitted within the city limits with the exception of control wiring. All switch legs shall be #12 AWG or larger. All nonmetallic cable shall be 12/2 with ground for all power outlets, switch legs not being considered a power outlet. No more than two outlets shall be allowed on one circuit in the following areas: breakfast rooms, utility areas, and kitchens. Every major appliance shall be on a separate circuit. All air conditioning compressors and air handling units to be on separate circuits. All receptacles shall be the grounding type.

(h) Requirements applying to all service conductors: All service conductors shall be installed in galvanized metal conduit.

(i) All electrical wiring in buildings within the fire limits of the city shall in all cases be one of the seven approved methods described in subsection (d)(1)--(7), inclusive, of this section.

(j) Subsection (f) of this section will also apply to all nonresidential commercial buildings, grain elevators, or places used for storage of grain, express houses, freight houses, storage or warehouses, all classes of mills, factories, garages, hotels, hospitals, auditoriums, laundries, churches, apartment houses in the fire district, theaters, moving picture shows, and any other public gathering place, machine shops, buildings used for storing gasoline and other readily inflammable materials, and all classes of printing press and publishing buildings, filling stations and lumber sheds within the limits of the city. Nonmetallic sheathed cable will be allowed in apartment houses, excluding the fire district. However, the service to each apartment shall be in metal raceway and served with the proper overload devices.

(k) Switchboards, switches, panel boards, control boards and distributing centers of any and all types shall be deadfront safety type equipment, except motor control equipment located in machinery rooms which are safeguarded as provided for elevator control equipment.

(l) All panels and switchboards used for the control of lighting and appliance circuits in residential and commercial buildings shall be of the multibreaker type. All switches, disconnects, circuit breakers, load centers and multibreakers, when mounted outside and exposed to the weather, shall be raintight and designed for outdoor service. All branch circuit panels consisting of more than six single pole breakers shall have a main disconnect. When additional breakers are added to an existing panel, making a total of over six single pole breakers, a main disconnect shall be required. Also, the service conductors shall be increased in size to comply with the additional load. All outside air conditioning compressor units shall have a weatherproof disconnect installed on the adjacent wall at a height not less than five feet from the finished grade. All wiring from disconnects to compressor units shall be of weatherproof-type installations. Air conditioning contractors not having a master electrician license in the city will not be permitted to install any wiring to air conditioning units with the exception of low voltage wiring.

(m) Only approved copper wiring shall be installed in any building, house, or structure located within the corporate limits of the city upon which construction is commenced on or after April 1, 1971. Other approved wiring may be used from the source of power to the point of weatherhead

location on such building, house, or structure.

(Code 1961, § 11.01.03; Ord. of 8-12-1969, § 6; Ord. of 2-23-1971, § 1; Ord. No. 81-31, § 3, 7-7-1981; Ord. No. 86-20, § 1, 7-15-1986; Ord. No. 91-16, § 6, 8-6-1991; Ord. No. 98-20, 9-22-1998; Ord. No. 2002-08, 3-5-2002; Ord. No. 2005-01, 1-4-2005; Ord. No. 2006-02, 1-3-2006)

Sec. 12-127. Application for inspection and permit.**(a) Permits required.**

(1) A person commits an offense if he installs, alters or adds any electrical wiring or electrical equipment within or to any building, structure or premises within the city without a permit therefor.

a. The master electrician must remain on the site of work being performed at all such times that electrical work is being performed unless at least one representative being licensed by the state as a journeyman electrician is on the same site. The journeyman electrician must be employed by the master electrician. On new construction of a single-family dwelling, a residential wireman electrician licensed by the state may act as the master electrician's representative. Any person performing electrical work without a master, journeyman or residential wireman electrician on site is considered in violation of this section.

b. Electrical work performed on an electrical sign must be performed by a master, journeyman or master electrical sign contractor. The licensed person must remain on the site at all times during such time that electrical work is being performed.

(2) Permits shall be issued only to the following:

a. Any master electrician or electrical sign manufacturer holding a valid license issued by the state in the city and in charge of the proposed work; or

b. Any property owner, for electrical work to be done by him, on a building occupied by him as his home.

(b) No permit is required to execute any of the following classes of electrical work:

(1) The installation, alteration, or repair of electrical equipment for the operation of signals or for the transmission of intelligence by wire by a communication agency.

(2) Electrical work done by anyone who is regularly employed (minimum 40 hours per week) as or acting as a maintenance man or maintenance engineer, incidental to and in connection with the business in which he is employed, and who does not engage in the occupation of an electrician for the general public. The person performing any maintenance electrical work must be a maintenance electrician and licensed by the state as a master, journeyman, or maintenance electrician; provided, however, that all electrical maintenance work and service shall be subject to inspection. The building official shall be authorized to require maintenance work to be permitted and performed by a master electrician when, in the building official's opinion, unusual or specific hazards exist.

(3) The installation, alteration or repair of electrical equipment installed by or for an electrical supply agency for the use of such agency in the generation, transmission and distribution of electricity.

(c) Master electricians and electrical sign manufacturers shall have the privilege of making minor repairs or alterations, where material and labor does not exceed \$300.00, without first securing a permit, subject to the approval of the building official.

(d) Application for such inspections and permit describing the work to be done shall be made in writing, accompanied by plans and specifications when required, and submitted to the city building official by the master electrician or electrical sign manufacturer responsible for the work. The electrician shall be responsible for notifying the city building official when an inspection is

desired.

(e) On all applications where plans and specifications require installation above the minimum standards, as set forth in this Code, the plans and specifications shall accompany the application for permit. No deviation may be made from such plans and specifications without the written approval of the owner, architect or engineer. On all applications where plans and specifications do not meet the minimum requirements as set forth in this Code, the master electrician, licensed architect or engineer shall alter accordingly, before permits shall be granted.

(f) All applications for inspections shall be accompanied by inspection fees as established by ordinance from time to time.

(g) Master electricians and electrical sign contractors shall at all times keep the city building official notified of the progress of their work and shall request inspections as the work progresses. Upon receipt of an application requesting inspection, the city building official shall inspect or cause to be inspected said work within 48 hours after receiving applications. Sundays and holidays are not included in this time. After inspecting the electrical wiring covered by an application obtained by the master electrician, the city electrician shall leave a tag, which shall state that the work has been inspected and approved or that it is not approved and must be held open for correction. The master electrician is to be notified if the wiring is to be held open for correction and no person, including the general contractor or his representative, shall lath, coil or in any manner conceal any wiring until they are informed that such wiring has been approved by the city building official.

(h) The master electrician and electrical sign contractor shall have electrical work installed by him inspected before such work is covered or concealed. All cabinets and panel board covers or trims shall be left off for final inspection, and any fitting or cover that conceals any wiring which may hinder the proper inspection of electrical work shall be removed by the master electrician.

(i) Master electricians and electrical sign contractors making extensions or additions to existing electrical systems shall, before proceeding with such work, ascertain from the city building official whether any of the old work must be changed or must be brought up to the requirements of this article.

(j) Upon completion and receipt of final inspection papers covering electrical work, the city building official shall make a final inspection, and if such work is found to comply with this article, a certificate of inspection shall be issued stating that the work has been done according to the provisions of this article and the rules governing the respective class to which it belongs.

(k) The certificate referred to in subsection (j) of this section shall not relieve the master electrician or electrical sign contractor of his responsibility for any defective work that may have been concealed or escaped the notice of the inspector.

(l) It shall be unlawful for any public service company operating in the city to furnish current to any new building, tent, structure or outdoor wiring of any kind, nature or description without first obtaining a clearance from the city building official, stating that such wiring is approved and a permit has been issued for the use of current. Whenever any service is discontinued to any building structure for any cause whatever (excepting nonpayment of bill) a clearance will be necessary before each building or structure can be reconnected. Any time a building is vacated, the city building official must make certain that there have not been any unauthorized additions made to the wiring of such building that might create a fire hazard, or that the wiring has not become in such a condition as to be hazardous.

(m) Whenever any electrical conductor or electrical material in or on any building or any electrical conductor on any pole line or any conductor underground becomes, or is in a condition that is dangerous to life or property, the city building official is hereby empowered to condemn, disconnect and cause the owner of such conductor or material to immediately correct the same or have it removed.

(Code 1961, § 11.01.05; Ord. of 8-12-1969, § 8; Ord. No. 82-25, § 17, 11-2-1982; Ord. No. 2002-08, 3-5-2002; Ord. No. 2005-01, 1-4-2005; Ord. No. 2006-02, 1-3-2006)

Sec. 12-126. Additional rules and regulations.

(a) All work shall be executed in a neat and workmanlike manner. Slipshod work or work not in keeping with good electrical practice shall be classed as defective and shall be immediately corrected by persons causing same. No work shall be done under the scope of this article unless under the direction of a master electrician or electrical sign manufacturer.

(b) All underground service conductors shall be encased in conduit where they extend up the pole, and shall be placed on the face of the pole designated by the power company, and to the height designated by them.

(c) When upon inspection or reinspection any sign is found to be in a dangerous or unsafe condition and the owner or user thereof fails to place such sign in safe condition after being notified to do so by the city building official within the time limits specified by him, the city building official shall remove such sign at the expense of the owner or user.

(1) Signs may extend to curblin, provided the sign is a safe distance from utility wires. No sign shall at its lowest point be less than 12 feet above the sidewalk.

(2) It shall be unlawful for any person to attach any sign, device or representation used in the nature of advertisements, announcements or direction on any electrical sign which would bring the bottom below the minimum set forth in this article.

(3) Light reflectors for the illumination of a building or signboard shall not project more than eight feet beyond the building line.

(d) All signs shall be connected to a separate circuit. There shall be provided one space circuit in panel board for each raceway.

(e) An individual circuit shall be provided for in buildings where provisions are made for attic ventilation and central heating system.

(f) Every new service, except single-family residential service, installed within the city, shall have a service disconnecting means installed on the exterior of the building.

(Code 1961, § 11.01.04; Ord. of 8-12-1969, § 7; Ord. No. 82-25, § 16, 11-2-1982; Ord. No. 86-10, § 1, 5-6-1986; Ord. No. 86-20, § 2, 7-15-1986; Ord. No. 2002-08, 3-5-2002; Ord. No. 2006-02, 1-3-2006)

Sec. 12-129. Prerequisites to engaging in electrical work; licenses.

(a) Every person before engaging in the business of doing work of installing, repairing or removal of electrical wiring and equipment shall comply with each and every provision of this article, except as otherwise provided.

(b) Secure an appropriate license as required by the state V.T.C.A., Occupations Code § 1305.151 and administered by the state department of licensing and regulation.

(c) Register annually with the city as a master, journeyman, master sign, or maintenance electrician.

(d) The registration fees for persons holding the following types of licenses shall be as established by ordinance from time to time:

- (1) Master's license.
- (2) Journeyman's license.
- (3) Maintenance electrician's license.
- (4) Master sign electrician's license.

(Code 1961, § 11.01.07; Ord. of 8-12-1969, § 10; Ord. No. 82-25, § 18, 11-2-1982; Ord. No. 2002-08, 3-5-2002; Ord. No. 2005-01, 1-4-2005; Ord. No. 2005-02, 1-4-2005; Ord. No. 2006-02, 1-3-2006)